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NRO REVIEW COMPLETED

COR 1064 Copy of 5 copies 25 January 1961

			25X1A
	Hr. John Parengosky,	DPD-DD/P	
THE PORT	Mr. John Parengues,	10	Y.
MONVENE			
and the second of	Trip Report -		-4
(BJECT:		tion on the	
		rence at Itak Corporation on the	1
- DOWNER	e: To attend a comis		
1. Purpos status of the	Ill program.		
status or the	_		1
2. Gener	al:	te previously established appears only real cause for concern was only real cause. The decision	1
2.	######################################	te previously established was	
	Status - The April do	only real course for contactsion	
4.	Til be possible. The	to previously established applications only real cause for concern was lich clock to use. The decision in the heen communicated to Itek the Itek group knew almost nothing the Itek group knew almost nothing problems,	
TO BE	sek of decision on wh	not been committeed worthing	
7,0372	alms the "A" clock the	The Itek group the water problems,	
	A HOUSE TESTS WARMY	THE PARTY OF THE P	
w elst	t the "A" clock and w , if the "A" clock we	chosen.	
market pro	I WARE		
. Alle and	esteristics of the	taked by	
b. una	Company of the Compan	and accord. This is accompanied clock	
(11	Accuracy - 1/200th	of a second. This is accomplished by of a second. This is accomplished by open second, reading clock pips" (200 per second), reading timing timing is, and interpolating by counting timing	\$
(m)	compling to timing	and interpolating by country	
	AND THE STATE OF		
	pips .	but tests have	
		perational experience, but tests have liability.	
(2) Reliability - No of shown very high re-	richility.	_
\-	chown very high re-	the treamand change	el.
		Can be reset in order	
4 3	Reset Capabillty	liability. . Can be reset in orbit if command channable.	
* *	can be made availa	# .	
	a) Drift - 1 x 10-6 ((same as C ¹).	
(h) Drift - 1 x 10		
*	5) Readout - Clock o	r disital.	
(5) Readout - Clou		
er	111 Characteristics:	eiffer from C1 and	
		mera characteristics differ from Cl and to TIB for computer program changes and mning.	i.
	(1) The following	to TIB for ecaputer pros-	
	are of interes	my18C.	- No Sell to the sellent of the sell
	exploitation pla	This documents	- i-formatin
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		2) There are 200 timing "pips per second instead of 160 "pips" per second on the Cl.
	- S	3) The lens system rotates continuously and the chimney oscillates.
		(b) The sweep direction is opposite to that in the C1. (Clil sweeps from left to right in the camera.)
		(5) Lens #1 resolves 475 lines per millimeter on the bench and 156 lines per millimeter on S.O. 1221 film.
		(6) Sweep time is approximately 14% slower.
		(7) A lens - "flattener" - is located right at the image plane It has its own cam for DAC.
25X1 <i>A</i>	d å.	IMC Problems - Some time was spent with of Itek discussing IMC on C ¹ and C ¹ 1. Previously a great deal of confusion existed on whether IMC or FMC was provided. Most of the data available indicated FMC, though IMC seemed to be the most plausible. The discussion resolved the problem - IMC and not FMC is provided on C ¹ and C ¹ 1.
25X1A	€ ₃∵	about the possibility of IMED providing PIC computer services. This seems to be a very interesting possibility. IMED not only has the equipment and mathematicians, astronomers, etc., but also has people already cleared operationally and familiar with photogrammetric analysis. The undersigned recommends IMED be contacted to further this discussion.
	ſ.	Camera Relative Orientation - It is believed that the present system of camera orientation accomplished on the West Coast is useful only to determine the orientation between the vehicle and the camera system and does not determine the relative orientation between the three cameras. The orientation procedure now accomplished by IMSD should be evaluated and the requirement for the vehicle/camera orientation should be reviewed.
25X1A		PIC must communicate with DPD-DD/P concerning the continued requirement for camera logs for the C ¹¹¹ program. This log must include depression angles of the horizon cameras, as the present C ¹ log does.
25X1A	PIC/TISE	TID
25X1A	Original	- Addressee 3 - Chief, TISD/PIC /5 - RI Files - Chief, TISD/TIB/PIC